



City of Hudson, Ohio

Staff Report With Text

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File created: 7/22/2015 **In control:** City Council Workshop
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Title: Discussion: City of Hudson Water System Ranking
 Executive Summary: The City Staff has created a Draft Ranking of the City’s Water Distribution System in an effort to identify the worst condition water mains in need of replacement.

Sponsors:

Indexes: Engineering

Code sections:

Attachments: 1. Draft Water Rankings Top 1-20, 2. Draft Water Rankings 21-800, 3. Top 20 Water Segments Map

| Date | Ver. | Action By | Action | Result |
|-----------|------|-----------------------|-----------|--------|
| 7/28/2015 | 1 | City Council Workshop | discussed | |

Discussion: City of Hudson Water System Ranking

Executive Summary: The City Staff has created a Draft Ranking of the City’s Water Distribution System in an effort to identify the worst condition water mains in need of replacement.

Legislative History

None.

Purpose & Explanation

The City Staff has generated a ranking of the City’s water piping system to identify those segments of water mains that have the highest need of replacement or improvement. The rankings were generated by the following four categories: (1) number of breaks, (2) pipe diameter, (3) pipe age and (4) roadway pavement condition. In addition, a cost estimate to repair or improve the worst 20 mains within the distribution system was identified. The top 20 ranked water mains can be found on the attached spreadsheet and map.

The City Staff was able to generate the rankings by utilizing information found in the City’s GIS database, the City’s Master Water Plan and review and input by the Public Works and Fire Department staff.

Timing Considerations

The City will be utilizing the approved Water System Ranking for future Capital Budget requests.

Fiscal Impact

- Currently Budgeted
- Supplemental Appropriation Required
- Appropriation Not Required.

Suggested Action

Following input and refinement of the water segments, staff will budget for the future high-priority (top ten) and medium-priority (top twenty) capital improvements as noted and in coordination with several upcoming roadway improvements.

Submitted by,

Jane Howington, City Manager

Thomas J. Sheridan, PE, PS, City Engineer

Bradley S. Kosco, PE, PS, Project Manager